

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-2 (Canceled):

Claim 3 (Currently Amended): The carrier having immobilized antigens or antibodies as claimed in claim [[1]] 31, wherein each antiligand is carried by the surface of the carrier by adsorption.

Claim 4 (Currently Amended): The carrier having immobilized antigens or antibodies as claimed in claim [[1]] 31, wherein each antibody has a constant region, and the ligand is bonded to the constant region of the antibody.

Claim 5 (Currently Amended): The carrier having immobilized antigens or antibodies as claimed in claim [[1]] 31, wherein the coating of the protein is made by adsorption of the protein to the portion of the surface.

Claim 6 (Currently Amended): The carrier having immobilized antigens or antibodies as claimed in claim [[1]] 31, wherein the protein is casein.

Claim 7 (Currently Amended): The carrier having immobilized antigens or antibodies as claimed in claim [[1]] 31, wherein the antigens or antibodies are stabilized.

Claim 8 (Previously Presented): The carrier having immobilized antigens or antibodies as claimed in claim 7, wherein the antigens or antibodies are stabilized by treating the carrier with a stabilizing agent.

Claim 9 (Previously Presented): The carrier having immobilized antigens or antibodies as claimed in claim 7, wherein the antigens or antibodies are stabilized by treating the carrier with a cross-linking agent which cross-links the antigens or antibodies and the ligands and/or antiligands.

Claim 10 (Previously Presented): The carrier having immobilized antigens or antibodies as claimed in claim 9, wherein the cross-linking agent is a bivalent cross-linking agent.

Claim 11 (Currently Amended): The carrier having immobilized antigens or antibodies as claimed in claim [[1]] 31, wherein a portion of the carrier which is in the vicinity of the surface thereof is formed into a dense structure.

Claim 12 (Currently Amended): The carrier having immobilized antigens or antibodies as claimed in claim [[1]] 31, wherein the carrier includes a carrier body having a surface thereof, and a coating made of a calcium phosphate based compound and provided on the surface of the carrier body.

Claim 13 (Previously Presented): The carrier having immobilized antigens or antibodies as claimed in claim 12, wherein the carrier is produced by colliding porous particles of the calcium phosphate based compound to the carrier body.

Claim 14 (Previously Presented): The carrier having immobilized antigens or antibodies as claimed in claim 13, wherein the porous particles are produced by agglutination bonding of primary particles of the calcium phosphate based compound.

Claim 15 (Currently Amended): The carrier having immobilized antigens or antibodies as claimed in claim [[1]] 31, wherein the antibodies are IgG.

Claims 16-30 (Canceled)

Claim 31 (Previously Presented): A carrier having immobilized antigens or antibodies, comprising:

a carrier having a substantially spherical shape and having a surface, wherein at least the surface of the carrier is formed of a calcium phosphate based compound;

antiligands provided on the surface of the carrier;

a blocking layer formed of a protein having low interaction with antigens or antibodies and having a metallic ion which has been subjected to a treatment for removing or reducing the metallic ion, the blocking layer being located on at least a portion of the surface of the carrier where the antiligands are not provided; and

antigens or antibodies each having a constant region on which a ligand is provided, each of said antigens or antibodies being immobilized to the surface of the carrier through bonding between the ligands and antiligands with the blocking layer effectively preventing antigens or antibodies from being directly absorbed to the surface without bonding between the ligand and the antiligands.

Claim 32 (Canceled)